

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Please add new claims 60-65.

Please amend claims 33-40 and 42 as follows:

Listing of Claims:

1-32 (Canceled)

33 (Currently Amended): An isolated nucleic acid from cassava, or [and] its complement, wherein the isolated nucleic acid encodes a polypeptide having starch branching enzyme Class A (SBEII) activity and the amino acid sequence of SEQ ID NO 29.

34 (Currently Amended): The [An] isolated nucleic acid according to claim 33, or [and] its complement, wherein the isolated nucleic acid comprises the nucleic acid sequence of SEQ. ID. NO. 28.

35 (Currently Amended): The [An] isolated nucleic acid according to claim 33, or [and] its complement, wherein the isolated nucleic acid comprises nucleotides 21-2531 of the nucleic acid sequence of SEQ. ID. NO. 28.

36 (Currently Amended): An isolated nucleic acid from cassava, or [and] its complement, wherein the isolated nucleic acid encodes an amino acid sequence which has sufficient starch branching enzyme activity in *E. coli* KV832 to complement the starch branching enzyme mutation therein.

37 (Currently Amended): An isolated nucleic acid according to claim 36, or [and] its complement, wherein the isolated nucleic acid has at least 88% sequence identity to SEQ ID NO: 28.

38 (Currently Amended): The [An] isolated nucleic acid according to claim 36, and its complement, wherein the isolated nucleic acid comprises the nucleic acid sequence of SEQ. ID. NO. 28.

39 (Currently Amended): The [An] isolated nucleic acid according to claim 36, or [and] its complement, wherein the isolated nucleic acid encodes a polypeptide having the amino acid sequence of SEQ. ID. NO. 29.

40 (Currently Amended): The [An] isolated nucleic acid according to claim 36, or [and] its complement, wherein the isolated nucleic acid comprises nucleotides 21-2531 of the nucleic acid sequence of SEQ. ID. NO. 28.

41 (Canceled).

42 (Currently Amended): The [An] isolated nucleic acid according to claim 34, wherein the nucleic acid further comprises [further comprising] a 5' and/or a 3' untranslated region.

43.-59. (Canceled)

60 (New): A construct comprising a nucleic acid from cassava, wherein said nucleic acid has at least 88% sequence identity to SEQ ID NO. 28 and wherein said nucleic acid encodes a protein with SBE II activity.

61 (New): The construct of claim 60 further comprising a promoter operable in plants, wherein said promoter is operably linked to the nucleic acid.

62 (New): The construct of claim 60 or 61, wherein the nucleic acid is in the sense or the anti-sense orientation.

63 (New): A plant cell, plant tissue, or plant comprising the construct of claim 60 or 61.

64 (New): A method of producing a transformed cassava plant comprising introducing into a cell of a cassava plant the construct of claim 60 or 61 and regenerating a transformed cassava plant from the transformed cassava cell.

65 (New): A method of producing a transformed progeny cassava plant comprising introducing into a cell of a cassava plant a construct comprising a nucleic acid from cassava, wherein said nucleic acid has at least 88% sequence identity to SEQ ID NO. 28 and wherein said nucleic acid encodes a protein with SBE II activity; regenerating a transformed cassava plant from the transformed cassava cell; sexually crossing the regenerated transformed plant with a second cassava plant, wherein the second cassava plant is not transformed with said nucleic acid; harvesting the resultant seed; growing the harvested seed; and selecting a transformed cassava progeny plant which comprise the nucleic acid.